

Cal/Ecotox

Toxicity Data for California Newt (*Taricha torosa*)*

Page 1

Chemical	Tox Exposure	Endpoint Type	Endpoint Description	Endpoint Value	Note	Reference
CHLORDANE	aerial application; water residues, 4.6 ppb (day 7), 0.29 ppb (day 52), 0.009 ppb (day 421); sediment residues, 35 ppb (day 7), 34 ppb (day 52), 20 ppb (day 1014)	TOX-EXP IND - accumulation	mean and range of total technical chlordane residues in newt carcasses (without liver and stomach) 14 days after application	8,906 ppb, range: 4,954 - 15,609 ppb	a	1
CHLORDANE	aerial application; water residues, 4.6 ppb (day 7), 0.29 ppb (day 52), 0.009 ppb (day 421); sediment residues, 35 ppb (day 7), 34 ppb (day 52), 20 ppb (day 1014)	TOX-EXP IND - accumulation	mean and range of total technical chlordane residues in newt carcasses (without liver and stomach) 451 days after application	2,116 ppb, range: 1,354 - 3,783 ppb	b	1
CHLORDANE	aerial application; water residues, 4.6 ppb (day 7), 0.29 ppb (day 52), 0.009 ppb (day 421); sediment residues, 35 ppb (day 7), 34 ppb (day 52), 20 ppb (day 1014)	TOX-EXP IND - accumulation	mean and range of total technical chlordane residues in newt carcasses (without liver and stomach) 1036 days after application	176 ppb, range: 29 - 272 ppb	c	1

Notes

- a Both Adult and Juv.; CANADA; B; Species - California (R)=*Taricha torosa*; TOX - Chemical=57-74-9; N=4; Tox Exp Tech=field application; Tox Exp Dur=14 d; Tox Study Dur=14 d; Tox Stat Sig=NR; see citation for chlordane metabolite profiles and liver and stomach concentrations
- b Both Adult and Juv.; CANADA; B; Species - California (R)=*Taricha torosa*; TOX - Chemical=57-74-9; N=6; Tox Exp Tech=field application; Tox Exp Dur=451 d; Tox Study Dur=451 d; Tox Stat Sig=NR; see citation for chlordane metabolite profiles and liver and stomach concentrations
- c Both Adult and Juv.; CANADA; B; Species - California (R)=*Taricha torosa*; TOX - Chemical=57-74-9; N=8; Tox Exp Tech=field application; Tox Exp Dur=1036 d; Tox Study Dur=1036 d; Tox Stat Sig=NR; see citation for chlordane metabolite profiles and liver and stomach concentrations

References

- Albright, L.J., P.C. Oloffs and S.Y Szeto. 1980. Residues of cutthroat trout (*Salmo clarkii*) and California newts (*Tarichia torosa*) from a lake treated with technical chlordane. *J. Environ. Sci. Health.* 815(4):333-349.

* Cal/EPA, OEHHA and the University of California Regents are not responsible for damages of any kind resulting from the use of or reliance on information in this report. Users are encouraged to consult the original data. Updated: February 1999.